

FIG. 1

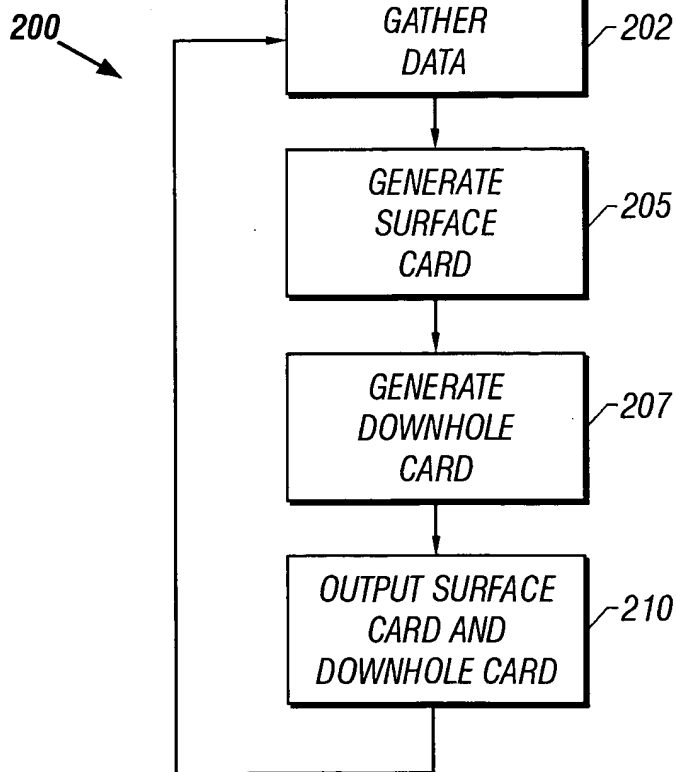


FIG. 3

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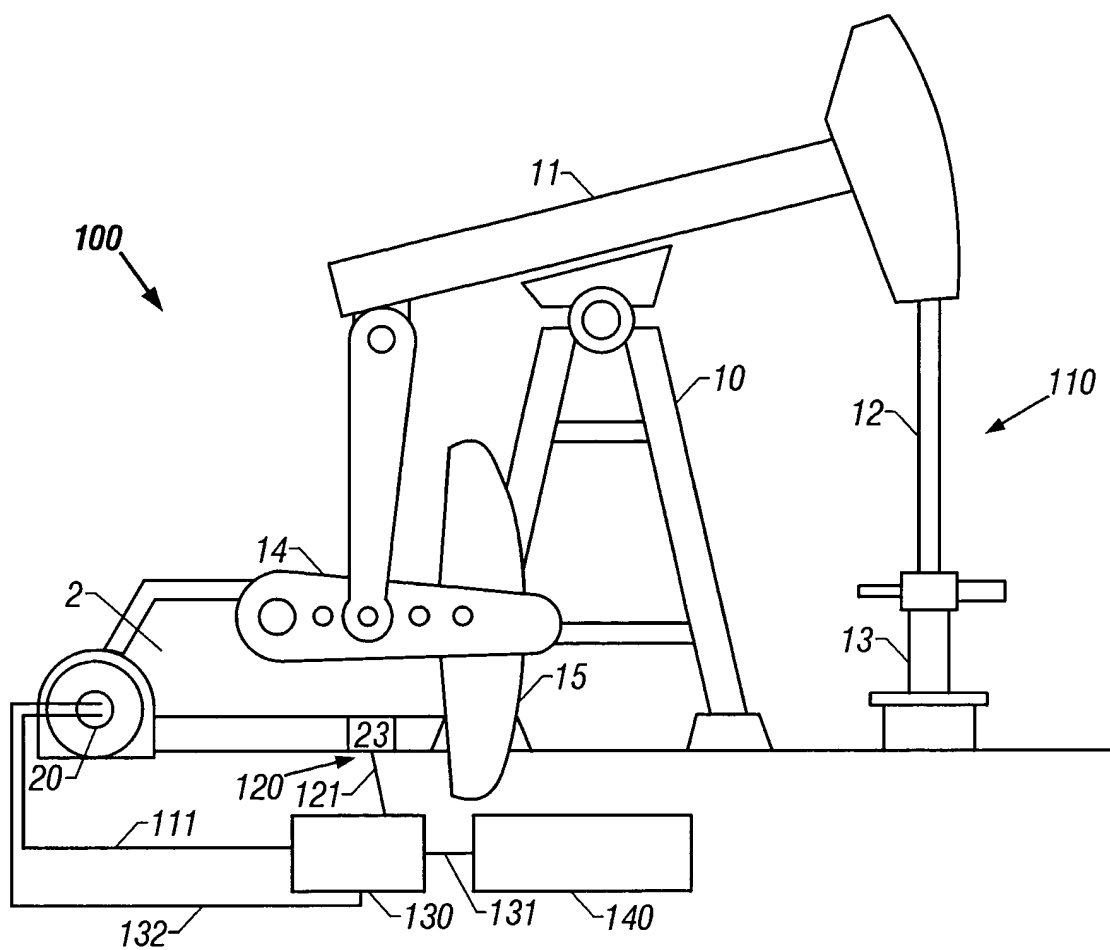
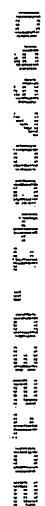


FIG. 2



**FIG. 4**

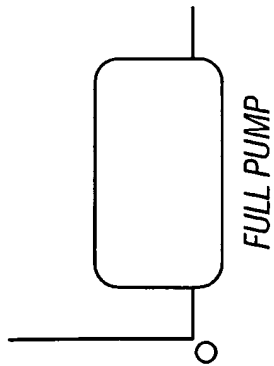


FIG. 5A

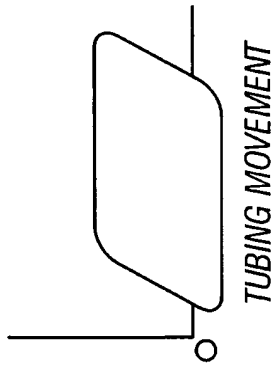


FIG. 5B

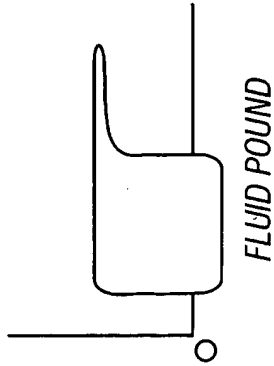


FIG. 5C

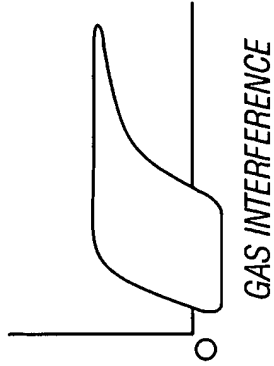
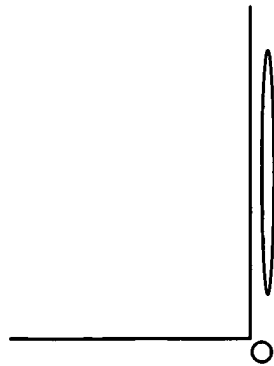
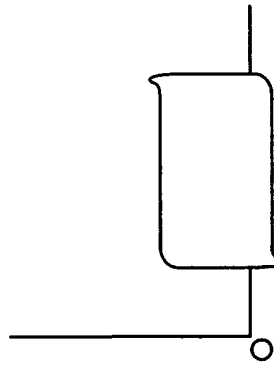


FIG. 5D



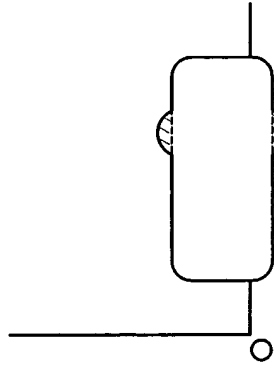
FLOWING WELL,  
ROD PART,  
INOPERATIVE PUMP

FIG. 5E



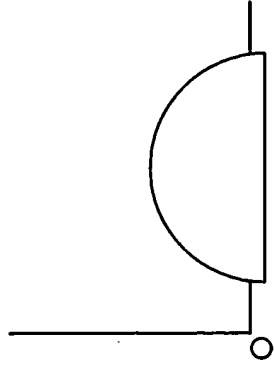
PUMP HITTING  
UP OR DOWN

FIG. 5F



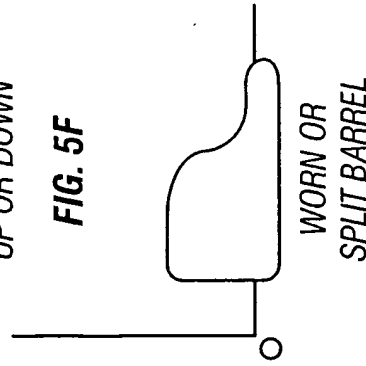
BENT BARREL OR  
STICKING PUMP

FIG. 5G



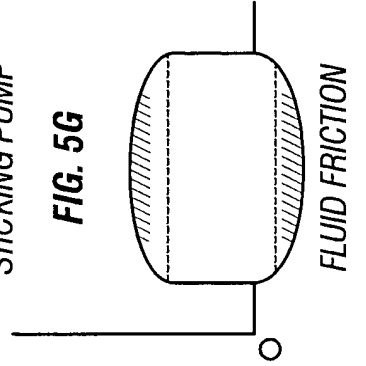
WORN PLUNGER OR  
TRAVELING VALVE

FIG. 5H



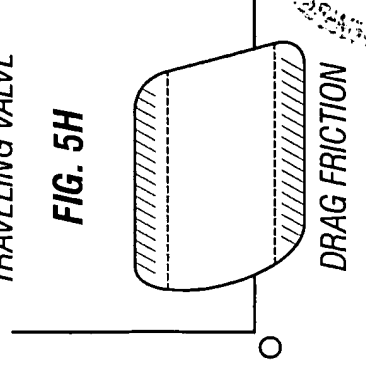
WORN OR  
SPLIT BARREL

FIG. 5I



FLUID FRICTION

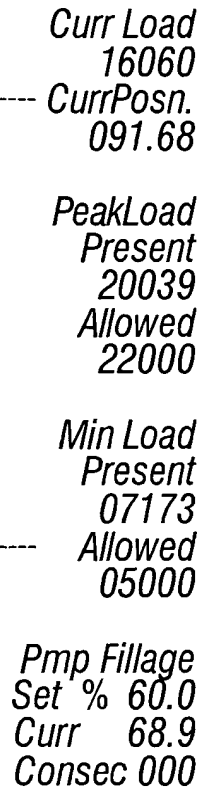
FIG. 5J



DRAG FRICTION

FIG. 5K

**DECLASSIFIED**



**FIG. 6**